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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/812,279	03/29/2004	Daniel Q. Zhu	91922-15	2267
23418 7590 12/07/2007 VEDDER PRICE KAUFMAN & KAMMHOLZ 222 N. LASALLE STREET CHICAGO, IL 60601			EXAMINER DESIR, JEAN WICEL	
			ART UNIT 2622	PAPER NUMBER
			MAIL DATE 12/07/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/812,279	<b>Applicant(s)</b> ZHU ET AL.	
	<b>Examiner</b> Jean W. Désir	<b>Art Unit</b> 2622	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-9 and 22 is/are allowed.
- 6) ☒ Claim(s) 10-16 is/are rejected.
- 7) ☒ Claim(s) 17-21 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 10-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Jaffe (US 7,239,357).

#### **Claim 10:**

Jaffe discloses:

A method of processing (see Figs. 1B, 2) an analog television signal comprising:

“converting said analog television signal to a digitized television signal having a frequency offset relative to baseband”, see Figs. 1B, 2 items 108, 206;

“reducing said frequency offset to produce a near-baseband digitized television signal having a residual frequency offset; producing a signal representative of said residual frequency offset; based on said signal representative of said residual frequency offset, reducing said frequency offset to produce a nearer-to-baseband digitized television signal”, see Fig. 2 items 206, 239, 208;

“and filtering said nearer-to-baseband digitized television signal to produce a first filter output signal having components restricted to a first frequency range, where said first frequency range is expected to contain an audio signal”, see Fig. 2 items 232-236, 220-224.

Claim 11 is disclosed, see Fig. 2 items 242-248.

Claim 12 is disclosed, see Fig. 2 items 110, 252 (Digital video (CVBS)).

Claim 13 is disclosed, see col. 3 lines 57-59.

**Claim 14:**

Jaffe discloses:

A television signal reception system (see Figs. 1B, 2) comprising:

“a tuner adapted to shift an analog television signal associated with a radio frequency carrier to an analog television signal at an intermediate frequency” see Fig. 1B item 102;

“an analog to digital converter adapted to produce a digitized television signal having a frequency offset relative to baseband, where said digitized television signal is based on said analog television signal at said intermediate frequency”, see Figs. 1B, 2 items 108, 206;

a separator (see Figs. 1B, 2 item 110) including:

“a video carrier recovery circuit adapted to detect said frequency offset and produce an indication of said frequency offset”, see Fig. 2 items 206, 239;

“a mixer, responsive to receipt of said indication of said frequency offset, adapted to reduce said frequency offset to produce a near-baseband digitized television signal”, see Fig. 2 items 206, 208;

“and a filter adapted to filter said near-baseband digitized television signal to produce a digitized sound signal”, see Fig. 2 items 220, 222, 224.

Claim 15 is disclosed, see Fig. 2 items 220-224, and 232-236, 242-248.

Claim 16 is disclosed, see Fig. 2 items 242-248.

***Allowable Subject Matter***

3. Claims 1-9, 22 are allowed.

4. Claims 17-21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.


### **Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean W. Désir whose telephone number is (571) 272 7344. The examiner can normally be reached on 5/4/9 - First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David L. Ometz can be reached on (571) 272 7593. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**JWD**  
**Dec. 4, 07**

  
DAVID OMETZ  
SUPERVISORY PATENT EXAMINER